



35. WATERAWARE FAIRWAY partner: Fiona Nicholson (ADAS, UK)		
Brief description		
WaterAware is a phone app which forecasts risk of movement of selected pesticides from soils based on soil type and soil moisture deficit information along with forecasted weather conditions. It uses a traffic light system to advise farmers and sprayer operators when it is safe or unsafe to apply chemicals or slug pellets. The latest version incorporates #SlugAware which provides user an estimated risk of slug and snail activity on a field-by-field basis for the day and 72 hours in advance (particularly focussed on metaldehyde).		
Contaminants covered (e.g. nitrate, pesticides etc.)	Pesticides - crop protection solutions supplied by ADAMA including herbicides, fungicides, insecticides and growth regulators.	
Intended end users (e.g. farmer, water quality manager, policy maker)	Farmers	
Level of expertise and/or training required	No specialised training required	
Geographical resolution (e.g. field, catchment, national)	Uses real-time location at field scale.	
Temporal resolution (e.g. daily, annual, long-term).	Daily and up to 72 hours in advance	
Real-time component (e.g. live weather data, soil moisture data feeds etc.)	WIMBY map read in (i.e. information from the Environment Agency – What's In My Back Yard). Water Aware uses current and predicted weather conditions,	
Number and type of mitigation measures included	Not applicable	
Platform (e.g. paper-based tool, phone app, bespoke software).	Phone app (in English). The app is designed to work on Android devices with an operating system of 4.0 (API level 14) or higher and on iOS devices capable of supporting iOS 8 (e.g. iPhone 4).	
Frequency of updates	At least annual	
Cost/availability	Free to download from http://www.adama.com/uk/en/wateraware/	
Number of users or number of copies distributed/downloaded/purchased	100-500 downloads on Google Play Store (16/08/17)	
Links to demo material and other relevant information (e.g. user guides).	http://www.adama.com/documents/268722/268805/app-instructions_tcm105-70418.pdf You Tube videos and Infographic (In English). Instruction for use are also available as a downloadable pdf file (in English).	
Additional comments		

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Input data required to run the DST	Location, products used, soil type, current and previous crop.
Outputs (including links to water quality and economic or financial aspects)	Risk assessment for each product selected and advisory information. Informs farmers whether it is safe to apply a product in terms of movement of the pesticide into watercourses.
Age/provenance of supporting data used to develop the DST	Not known – developed by a commercial company
Country-specific calibration or data requirements (including restrictions on use)	Uses UK soil type and weather data.
Details of validation and testing	Not known – developed by a commercial company
Date developed/released (or planned release date)	Version 2.4 released 24th July 2017
Author/developer names and affiliations	Adama Agricultural Solutions UK Ltd. Unit 15, Thatcham Business Village, Colthrop Way, Thatcham, Berkshire RG19 4LW Also address listed as ADAMA Agriculture BV, Amsterdam (NL) Schaffhausen Branchm Spitalstrasse 5, Schaffhausen, Switzerland.
Member state(s) where developed	UK
Member State(s) where currently used	UK, IE
Key publication references (including url)	None

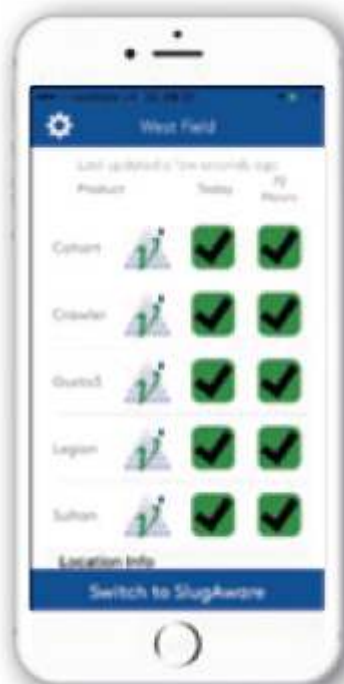
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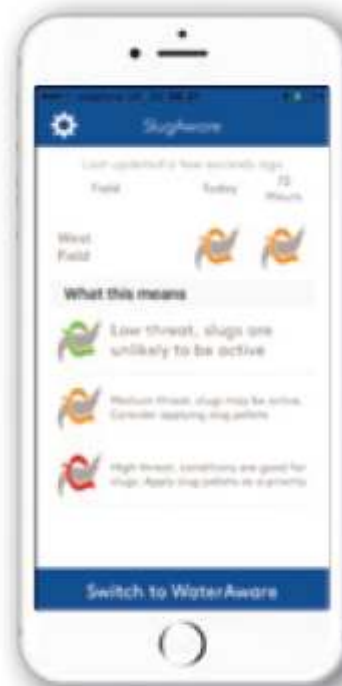


Any other useful information (e.g. screenshots of DST input/outputs)

Example of risk assessment screen for pesticides



Example of risk assessment screen for slug pellets



Location information

